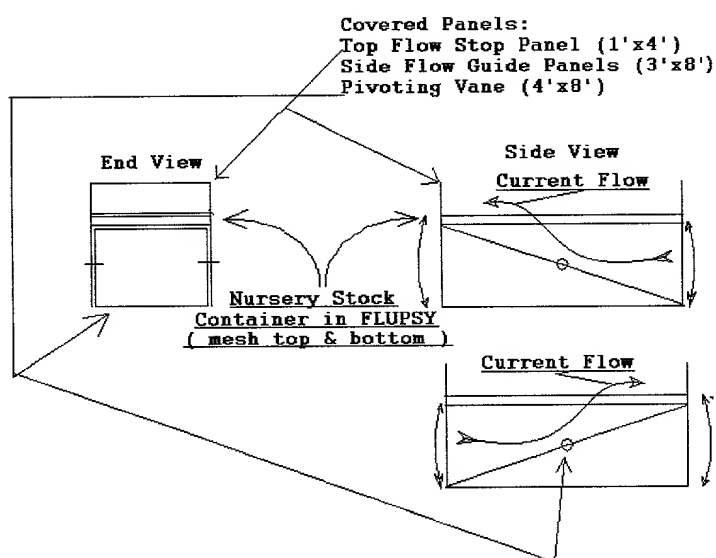


FIG. 1 – FLUPSY (Floating Upweller System )



**FIG. 2 – BUPSY ( Bottom Upweller System )**

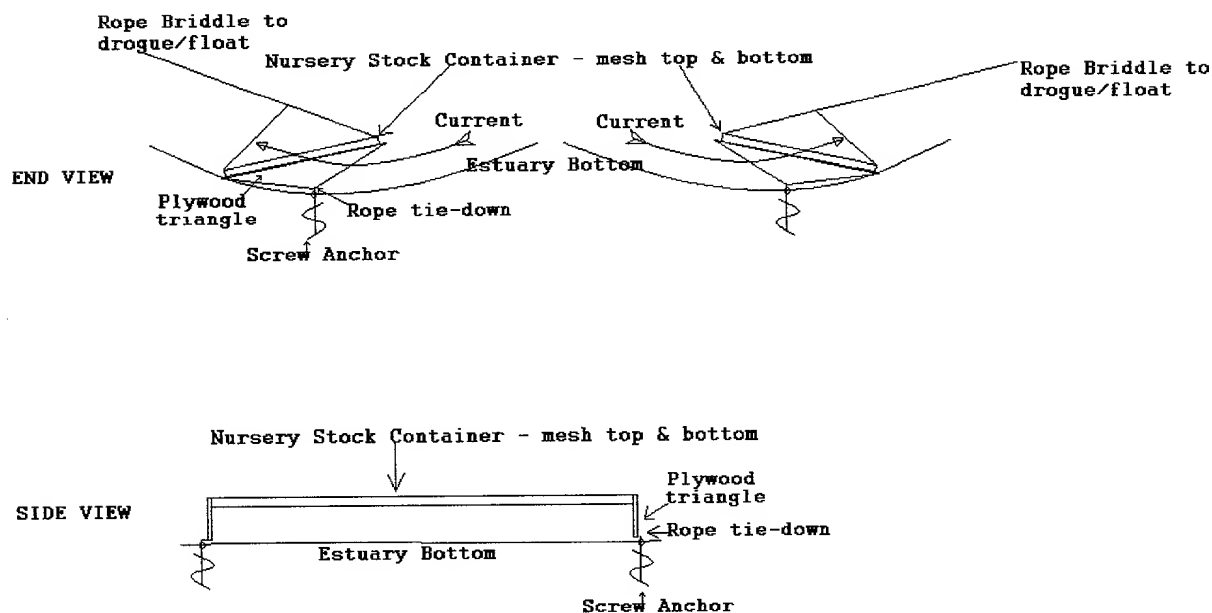
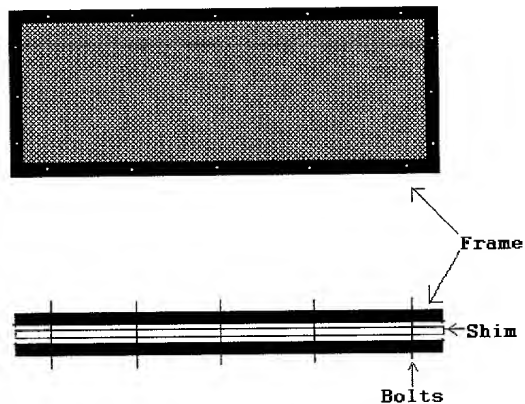


FIG. 3 - Nursery Stock Container

Provisional Patent Application

TOP VIEW - Two ridged frames, each covered with mesh ( sized to retain shellfish ), bolted together.

The frames are seperated with a combination of ridged and compressible (closed cell foam ) shims so that the shellfish are gently but securely held by the assembly.



SIDE VIEW

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FIG. 4 - End View of  
Spawntoon

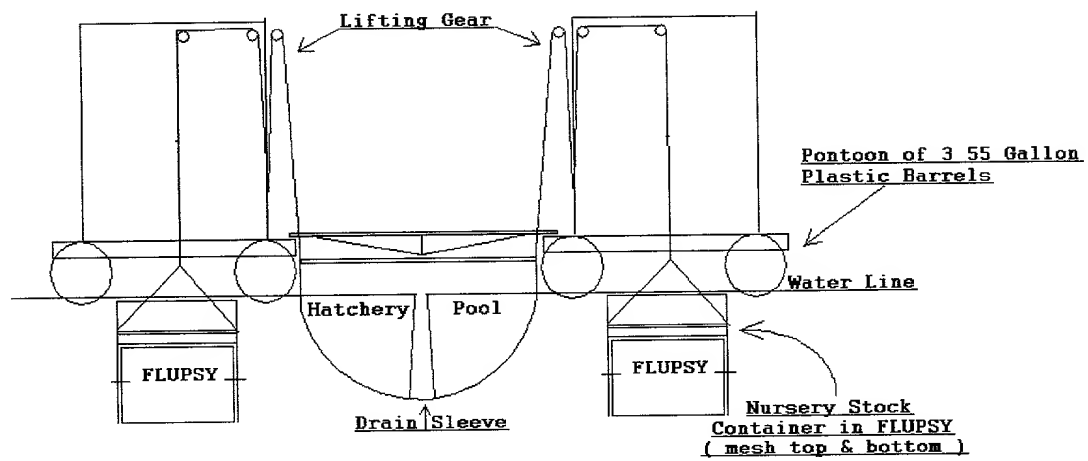
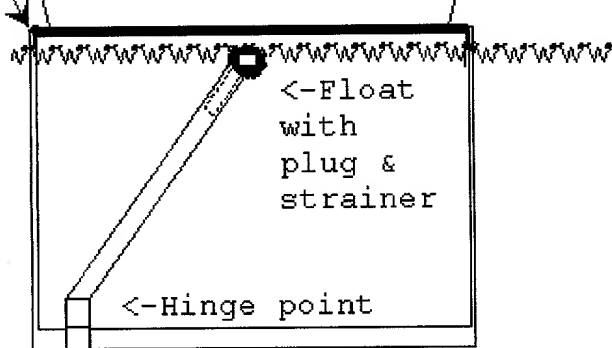


FIG. 5 – Drain Device for floating hatchery live-well

**Hatchery Live-Well**

Filled with filtered water for spawn. The drain device is plugged. The ridged frame of the Hatchery Pool is either held above the water by ropes or supported by the floatation of the live-well itself.



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FIG. 6 – SpawnToon Motorboat "The Mama Cass Ostrea"

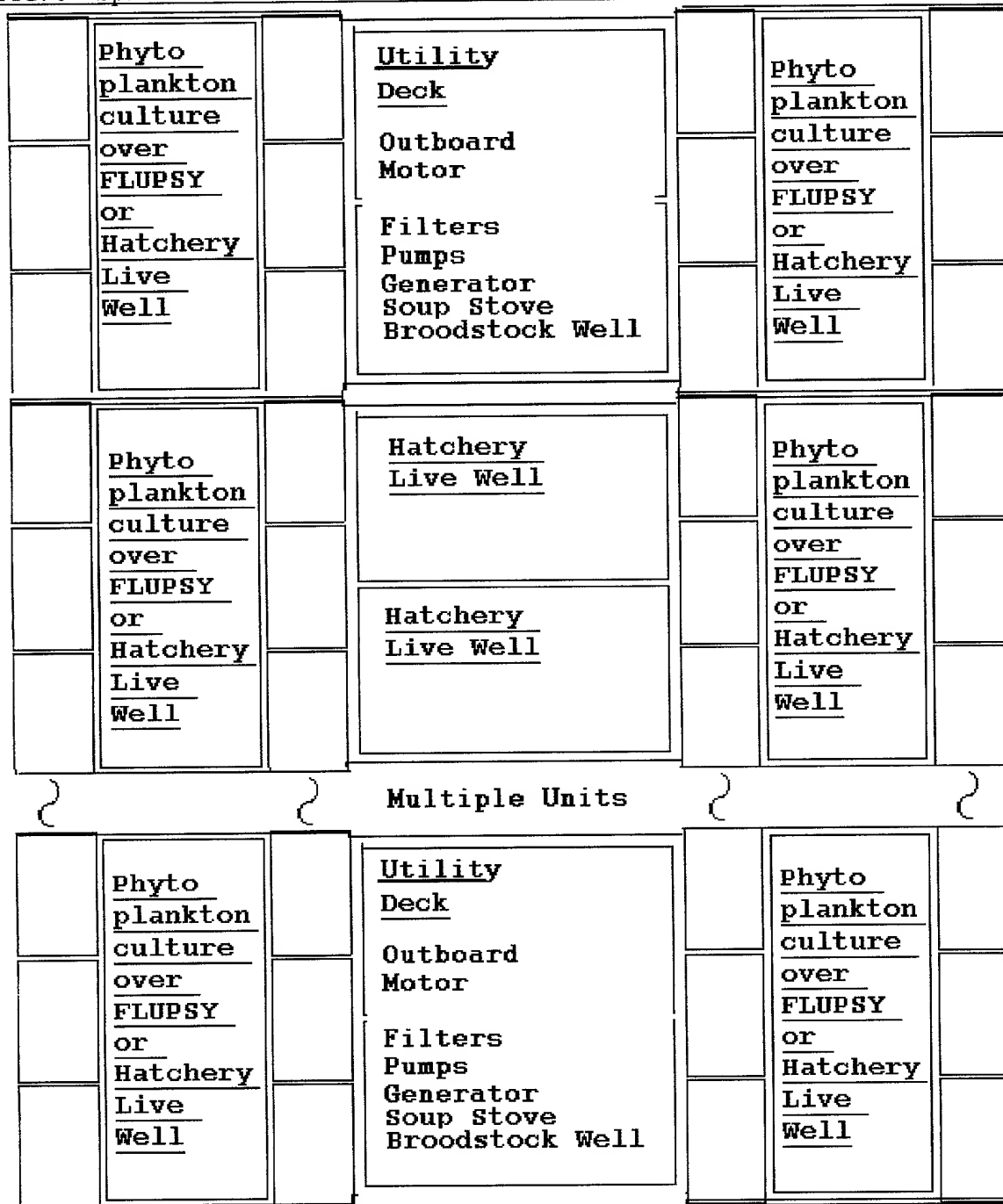
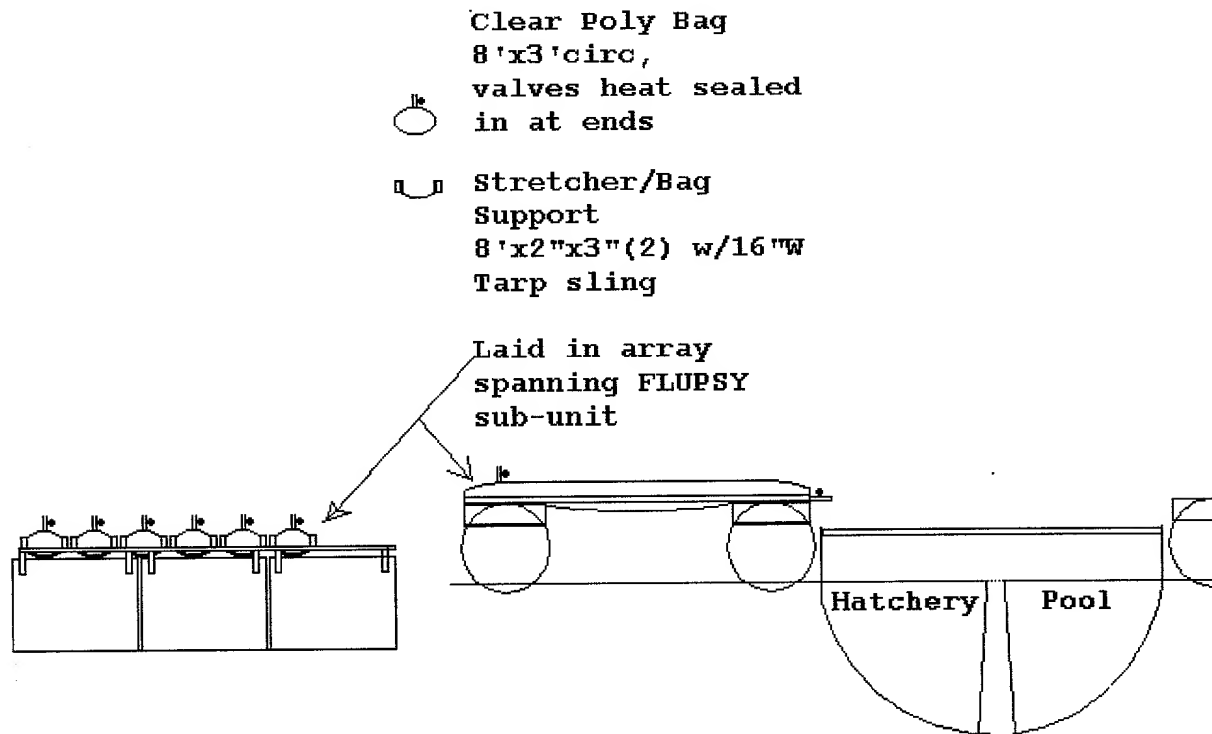
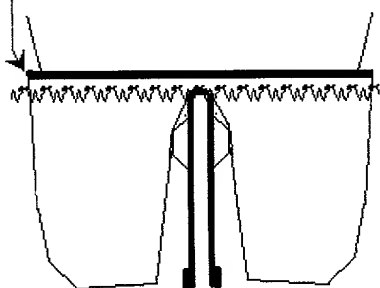


FIG. 7 – Phytoplankton Culture: Culture Bag w/fittings, Stretcher resting on two pontoons



**Figure 8A)** Hatchery Pool  
Filled with filtered water  
for spawn. The drain device  
is plugged. The ridged frame  
of the Hatchery Pool is held  
above the water by ropes.



The diagram consists of two side-view illustrations of a hatchery pool draining system. Each illustration shows a vertical support structure on the left. A rope is attached to a pulley at the top of this structure and runs down to a bucket. The bucket is partially filled with a dark, stippled material representing water. The bucket is suspended over a large, circular hatchery pool. A second rope is attached to the bottom of the bucket and runs down to a horizontal bar or platform just above the pool's surface. The bucket is shown in two positions: one where it is higher and another where it is lower, indicating its movement during the draining process. The pool is situated on a ground surface indicated by a wavy line at the bottom.

Figure 8D) Hatchery Pool lifted out of the water for cleaning, sunning, and maintenance. The drain pipe is unpinned from the collar affixed to the pool drain sleeve so the spawn can be recovered. Dead spawn and feces on the bottom do not drain out until the drain pipe and Spawn Catcher assembly are unpinned and removed. The spawn are rinsed out into a filled pool waiting for them.

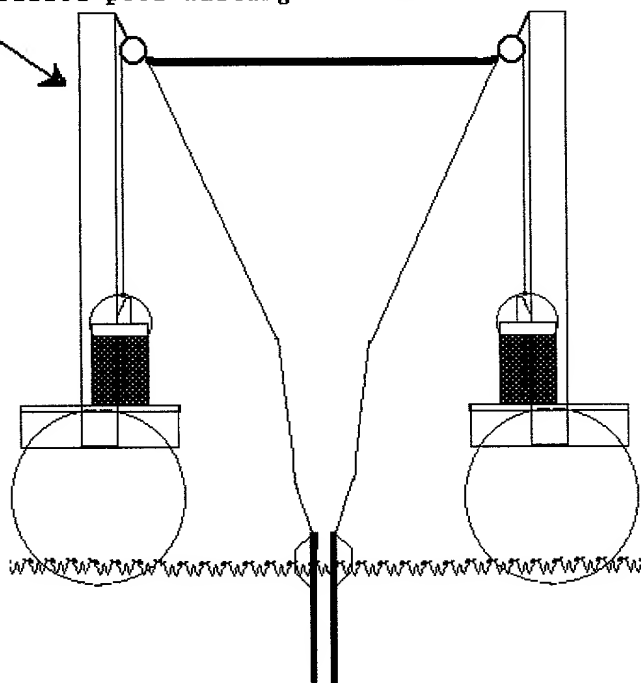
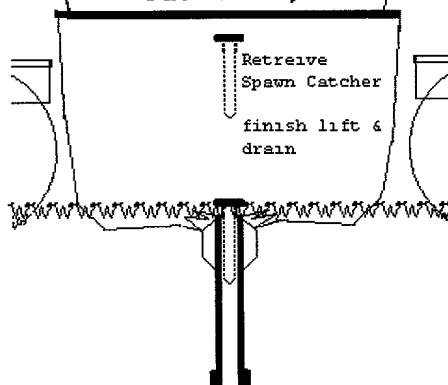


FIGURE 8C)



**THE**



FIG. 9 - Outboard Motor Mount ( with DAVIS NOZZLE ) slung underneath SpawnToon deck,  
Profile of the Tubular Shroud surrounding the propeller and bolted to the cavitation plate

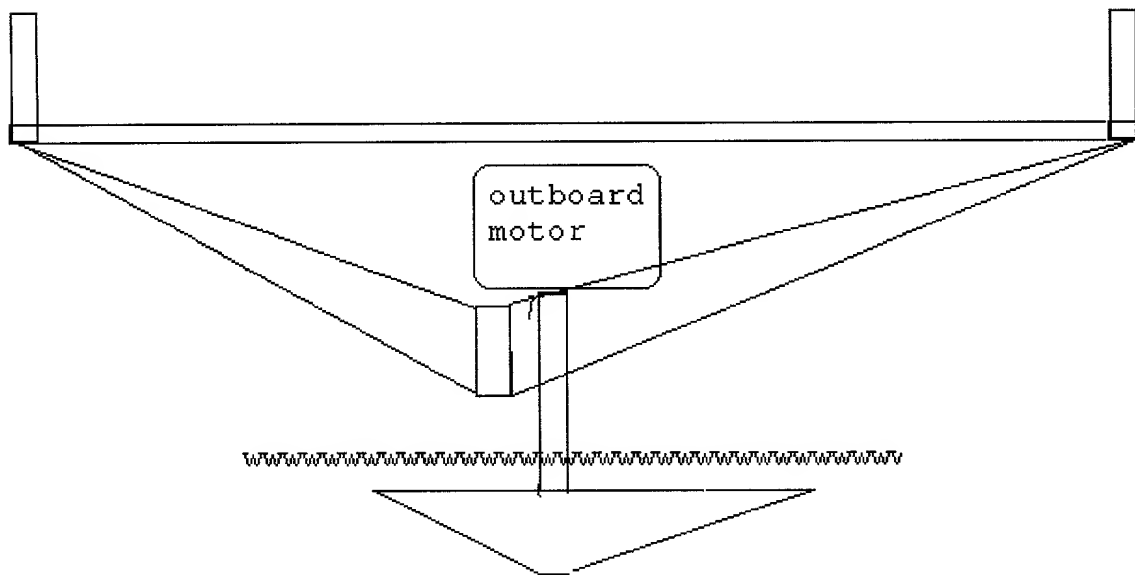
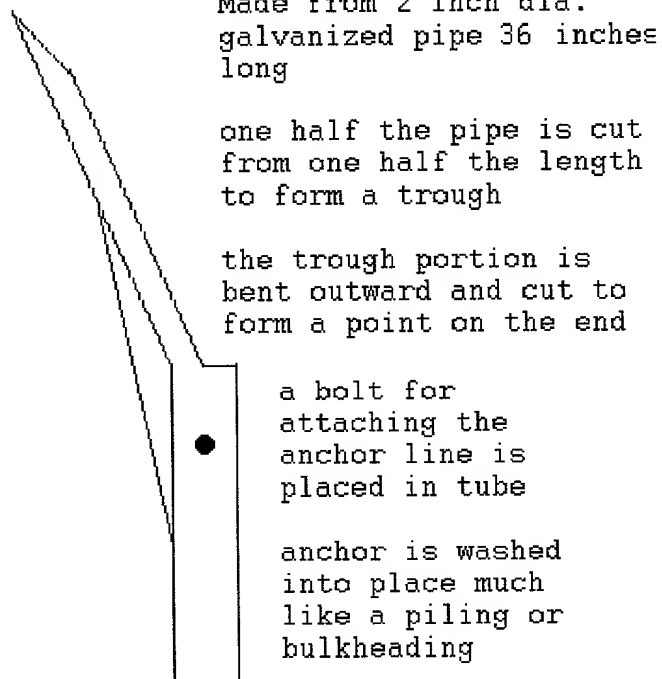


FIG. 10 - Davis Harpoon anchor

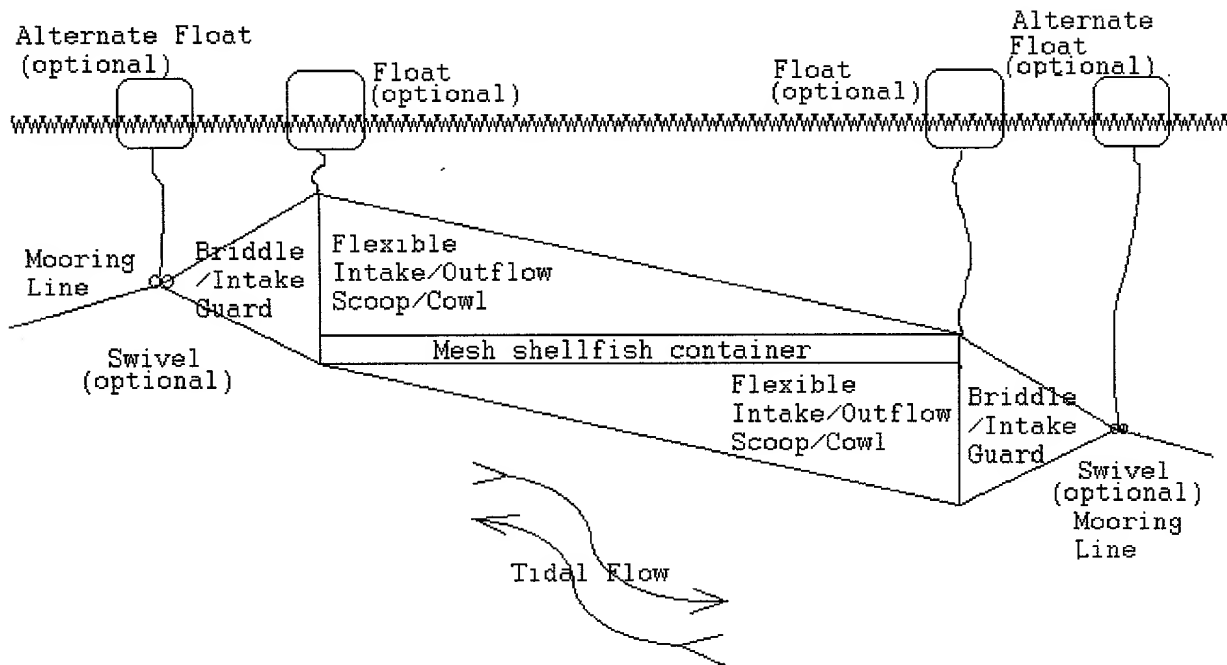
Figure 10) DAVIS HARPOON ANCHOR



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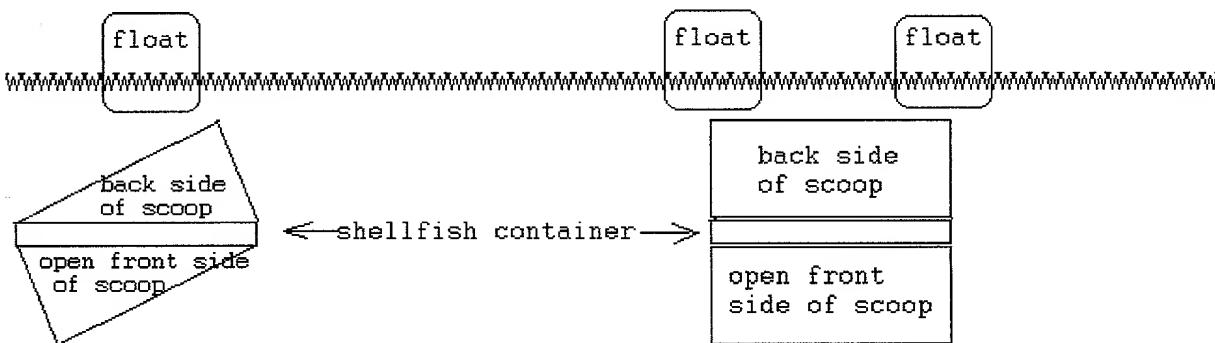
**Figure 11 A) TWWELLER : side view**

Two Way Upweller/Downweller Shellfish Growing Device



**FIGURE 11 B) TWWELLER: end view**

Rotating Option  
on swiveled mooring

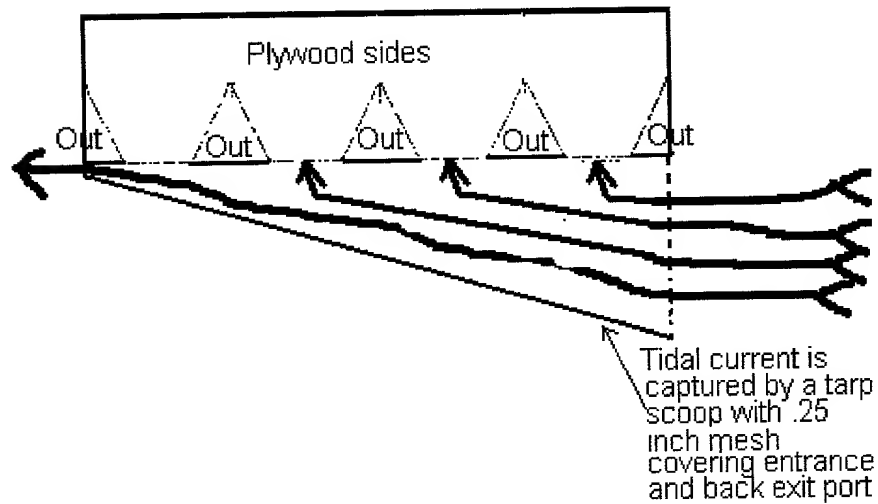


**FIG. 11 - TWWELLER**

**Figure 12) Float-Droque**



FIG. 13 Grounding Tolerant FLUPSY scoop of CLAIM 9 servicing a crenellated Marsupium.  
Side View



Water out through triangular ports in the side  
after passing through a 38 micron mesh crenallation panel  
Plywood panel seperates inbound water from outbound  
water in the crenallation

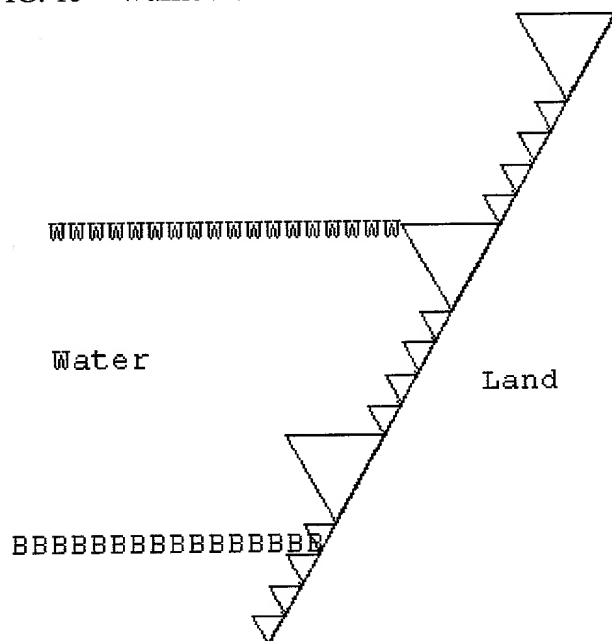
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Diagram illustrating the components of a sled runner assembly:

- Tow Line:** Indicated by an arrow pointing to the line connecting the assembly to the sled.
- Foil:** Indicated by an arrow pointing to the curved, aerodynamic surface.
- Sled Runner:** Indicated by an arrow pointing to the horizontal surface that the sled sits on.

Water

Land



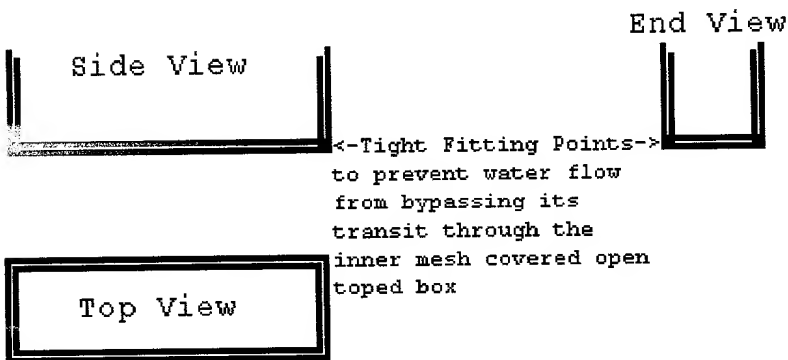
[illegible]



Salvaged  
Spartina  
Marsh  
Sand Flat with Mobile Sand

[illegible]

FIG. 18 – Shellfish Hatchery-Nursery Container of CLAIM 16: Set of two nested open top  
Self Cleaning screen set of CLAIM 7 used by the Marsupium



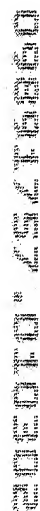
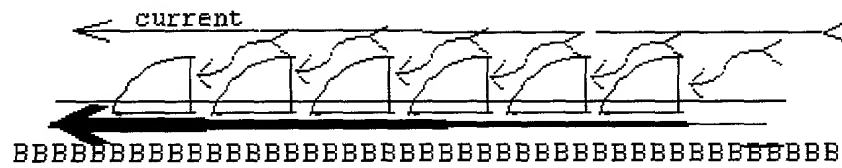


FIG. 20 Foil Array of CLAIM 10 used for current powered directional sediment Transport



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